

PER3 Polyclonal Antibody

Catalog number: 12550-1-AP

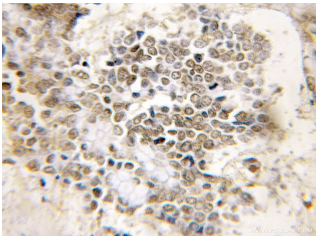
Size: 20 µg/150 µl

Source: Rabbit

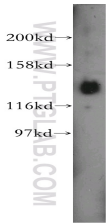
Isotype: IgG

Synonyms:

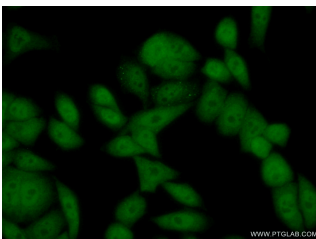
PER3; GIG13, hPER3, PER3,
period homolog 3 (Drosophila)



Immunohistochemical of paraffin-embedded human colon cancer using 12550-1-AP (PER3 antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 12550-1-AP (PER3 antibody) at dilution of 1:400



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 12550-1-AP (PER3 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

The suprachiasmatic nuclei (SCN) of the anterior hypothalamus function as a circadian clock in the mammalian brain, generating circadian rhythms in physiology and behavior. The period homolog genes *Per3* is an important component of the circadian clock system. PER3 plays a role in cell proliferation, apoptosis, DNA damage response, cell cycle control, and treatment response of chemotherapy agents in cancers.

Applications

Tested applications:	ELISA, WB, IHC, IF
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated PER3 MW:	1201aa, 132 kDa
Observed PER3 MW:	132 kDa
Positive WB detected in	HeLa cells
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:50-1:500

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3400
GenBank accession number:	BC026102
Gene ID (NCBI):	8863
Full name:	Period homolog 3 (Drosophila)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.